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ISOLATOR" shown in FIG. 7, the relative intensities of noises exceeded -130 dB/Hz without regard to the connector type. In carrying out picture transmission in this state, the screen would inevitably suffer noises, thus resulting in lowered picture transmission quality.

IN THE CLAIMS:

Please cancel claims 2 and 3, without prejudice; and amend claim 1 and add new claims 4-10, as follows:

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1. (Amended) An external cavity laser for oscillating laser light through a connector, comprising:

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a fiber Bragg grating section formed of an optical fiber having a Bragg wavelength of light reflected by a grating adjusted to a given wavelength;

a laser light emitting device that generates light, and that is optically coupled to the fiber Bragg grating section to ensure input and output of the light, said laser light emitting device including a reflective surface for reflecting the generated
10 light;

a cavity that is formed between the laser light emitting device and the grating, and that resonates the light between the reflective surface of the laser light emitting device and the grating, thereby oscillating a laser beam having a given
15 oscillation wavelength;

a connector that outputs the light oscillated by the cavity,
said connector being a first connector provided on an optical
path extending from the laser light emitting device; and

intercepting means for intercepting reflected waves from the
connector.

wherein the fiber Bragg grating section is located on the
optical path between the laser light emitting device and the
connector; and

wherein the intercepting means is located on the optical
path between the fiber Bragg grating section and the connector.

4. (New) The external cavity according to claim 1, wherein
the intercepting means comprises an isolator.

5. (New) The external cavity according to claim 1, wherein
the intercepting means comprises a circulator.

6. (New) The external cavity according to claim 1, wherein
the connector comprises a physical connector.

7. (New) The external cavity according to claim 1, wherein
the connector comprises a superphysical connector.

8. (New) The external cavity according to claim 1, wherein
the connector comprises an angled physical connector.

9. (New) The external cavity according to claim 1, wherein a relative intensity of noise (RIN) less than -130 dB is maintained in a transmission band having frequencies equal to or less than 10 GHz.

10. (New) The external cavity according to claim 1, wherein a relative intensity of noise (RIN) less than -150 dB is maintained in a transmission band having frequencies equal to or less than 10 GHz.